

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 903 to 916

Book

H



Clyde Hodge

TEMPERATURE RECORD.

Instrument used, *N 2*
Current number of observation, *903*
Date, *Dec 9 1880*
Locality, *Portnoe River*
Bearings, *Pt. Lookout S. E & E 3, 1/4*

Time of day, *10.05* ; of tide,
State of sky, *Clear*
Temperature of air, *30*
" surface of water, *50* *46405*
" at depth of fathoms,
" of bottom, *40* *46402*

Depth, in fathoms, *4*
Nature of bottom, *Algalin bank*
Direction of surface current, *Wind NW*
Force of surface current, *do 3*
Direction of bottom current, *NW*
Force of bottom current, *5 minutes*
Name of vessel, *Fish Hawk*
To what service attached, *U.S.C.*
Name and rank of commanding officer,
W. J. Lamer
Name and position of observer,

H. V. V.

REMARKS.

Oyster Knudge

TEMPERATURE RECORD.

Instrument used, *N Z*
Current number of observation, *904*
Date, *Dec 9, 1880*
Locality, *Potomac River*
Bearings, *Pt. Lookout S.E. + E 3/4*

Time of day, *10.05* ; of tide,
State of sky, *Clear*
Temperature of air, *30*
" surface of water, *45* *4640 1*
" at depth of fathoms,
" of bottom, *40* *4640 2*
Depth, in fathoms, *4*
Nature of bottom,
Direction of surface current, *Wind NW*
Force of surface current, *3*
Direction of bottom current, *Drift N.*
Force of bottom current, *Drift 5/8 minutes*
Name of vessel, *Fish Hawk*
To what service attached, *U.S.F.*
Name and rank of commanding officer,
Lt J. S. Luman
Name and position of observer,

H. Van Klief

REMARKS.

Crystal Bredge

TEMPERATURE RECORD.

Instrument used, *N Y*
Current number of observation, *905*
Date, *Dec 9 1880*
Locality, *Potomac River*
Bearings, *Pt. Lookout S, E, X E 3, 1/4*
Time of day, *10, 15* ; of tide,
State of sky, *Clear*
Temperature of air, *30*
" surface of water, *45* *4640 3 -*
" at depth of . fathoms,
" of bottom, *40* *4640 2*
Depth, in fathoms, ** 3 1/2*
Nature of bottom,
Direction of ~~surface~~ current, *wind N W*
Force of ~~surface~~ current, *do, 3*
Direction of ~~bottom~~ current, *slight N N W*
Force of ~~bottom~~ current, *do 8 minutes*
Name of vessel, *Fish Hawk*
To what service attached, *U.S.C.*
Name and rank of commanding officer,
A. J. Lawrence
Name and position of observer,

Dr. Van T. C. C.

REMARKS.

TEMPERATURE RECORD.

Instrument used, *WY*
 Current number of observation, *906*
 Date, *Allen 9, 1880*
 Locality, *Patuxent River*
 Bearings, *Point Lookout S. E. x E $\frac{3}{4}$*

 Time of day, *10, 33* ; of tide,
 State of sky, *Clear*
 Temperature of air, *32*
 " surface of water, *45* *46 40 5*
 " at depth of fathoms,
 " of bottom, *39* *46 40 2*
 Depth, in fathoms, *3 $\frac{1}{4}$*
 Nature of bottom,
 Direction of surface current, *Wind* *nr*
 Force of surface current, *do.* *3*
 Direction of bottom current, *drift* *nr nr*
 Force of bottom current, *do* *7 minutes*
 Name of vessel, *Fish Hawk*
 To what service attached, *U.S.C.*
 Name and rank of commanding officer,
 W. L. Lawrence
 Name and position of observer,
 Dr Van Hook

REMARKS.

TEMPERATURE RECORD.

Instrument used, *N 7*

Current number of observation, *907*

Date, *Dec 9 1855*

Locality, *Patuxent River*

Bearings, *PA Lookout S.E. & E S, $\frac{1}{4}$*

Time of day, *10.40* ; of tide.

State of sky, *clear*

Temperature of air, *33*

" surface of water, *45* *46405*

" at depth of _____ fathoms.

" of bottom, *39* *46402*

Depth, in fathoms, *3*

Nature of bottom, _____

Direction of ~~surface~~ current, *mod n w*

Force of ~~surface~~ current, *do 3*

Direction of ~~bottom~~ current, *W by S n n w*

Force of ~~bottom~~ current, *do 8 minutes*

Name of vessel, *Fish Hawk*

To what service attached, *U.S.C.*

Name and rank of commanding officer, *W. L. Lawrence*

Name and position of observer, _____

W. Van Dyck

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation, 938

Date, Aug 9 1883

Locality, Helms Point, Mich.

Bearings, Pt Lookout S. E. x E 3 1/4

Time of day, 12.55 ; of tide,

State of sky, Clear

Temperature of air, 33

" surface of water, 45

" at depth of fathoms,

" of bottom, 5 fms

Depth, in fathoms, 5 1/2

Nature of bottom, Green mud

Direction of surface current, None

Force of surface current, 1/2 N 20

Direction of bottom current, etc 5 N

Force of bottom current,

Name of vessel, Fish Hawk

To what service attached, U.S.F.

Name and rank of commanding officer,

J. B. Johnson

Name and position of observer,

J. B. Johnson

REMARKS.

TEMPERATURE RECORD.

Instrument used, *519*
 Current number of observation, *909*
 Date, *Dec 9 1880*
 Locality, *Potomac River to the Point*
 Bearings, *Station 2 1/2 miles*

 Time of day, *11.7* ; of tide,
 State of sky, *Clear*
 Temperature of air, *54*
 " surface of water, *45*
 " at depth of _____ fathoms,
 " of bottom, *39*
 Depth, in fathoms, *3.6*
 Nature of bottom, *Green Rock*
 Direction of ~~surface current~~, *Wind N or E*
 Force of ~~surface current~~, *slw 2*
 Direction of ~~bottom current~~, *Wind N.*
 Force of ~~bottom current~~, *slw 8 m.*
 Name of vessel, *U.S.S. Fish Hawk*
 To what service attached, *U.S. Fish Com.*
 Name and rank of commanding officer,
 Lt. J. S. ...
 Name and position of observer,
 W. L. ...

REMARKS.

TEMPERATURE RECORD.

Instrument used, *712*
 Current number of observation, *910*
 Date, *Apr 20 1880*
 Locality, *Delaware Straits*
 Bearings, *PT Lookout S.E. x E 3, 1/4*

Time of day, *11 20* ; of tide,

State of sky, *Clear*

Temperature of air, *34*

" surface of water, *45*

" at depth of _____ fathoms,

" of bottom, *39*

Depth, in fathoms, *3*

Nature of bottom,

Direction of surface current, *1/2 mile NW*

Force of surface current, *do 2*

Direction of bottom current, *1/2 mile NW*

Force of bottom current, *do 10, m.*

Name of vessel, *Fish Hawk*

To what service attached, *U.S. Fish Com.*

Name and rank of commanding officer,

H. L. Swann

Name and position of observer,

Wm. H. Smith

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation, *911*

Date, *May 9 / 1880*

Locality, *Patuxent River*

Bearings, *Pat Lookout S, E, x E $\frac{1}{2}$, $\frac{1}{2}$*

Time of day, *11.44* ; of tide,

State of sky, *Clear*

Temperature of air, *34*

" surface of water, *45*

" at depth of _____ fathoms,

" of bottom, ** 40*

Depth, in fathoms, *3*

Nature of bottom,

Direction of ~~surface current~~,

Wind N W

Force of ~~surface current~~,

do 1

Direction of ~~bottom current~~,

Drift N W W

Force of ~~bottom current~~,

do 77m

Name of vessel,

Fresh Branch

To what service attached,

U. S. C.

Name and rank of commanding officer,

Lt. J. L. Tanner

Name and position of observer,

Dr. Van Vliet

REMARKS.

TEMPERATURE RECORD.

Instrument used, *N 2*

Current number of observation, *912*

Date, *Dec 9/80*

Locality, *Patuxent River*

Bearings, *PT Lookout S, E x E $\frac{1}{2}$ S, $\frac{1}{4}$ E*

Time of day, *11.5-4* ; of tide.

State of sky, *Clear*

Temperature of air, *34*

" surface of water, *45*

" at depth of _____ fathoms,

" of bottom, *40*

Depth, in fathoms, *3*

Nature of bottom,

Direction of ~~surface~~ current, *From NW*

Force of ~~surface~~ current, *slow*

Direction of ~~bottom~~ current, *light N*

Force of ~~bottom~~ current, *slow 4 M.*

Name of vessel, *Fish Hawk*

To what service attached, *US F.C.*

Name and rank of commanding officer,

U.S. Lt. L. L. L...

Name and position of observer,

U.S. Lt. Van Kleeck

REMARKS.

TEMPERATURE RECORD.

Instrument used, *YB*
 Current number of observation, *913*
 Date, *May 1/00*
 Locality, *Palmyra Island*
 Bearings, *Pt Lookout S.E. x E. $\frac{1}{2}$, $\frac{1}{4}$*

Time of day, *12.08* ; of tide,
 State of sky, *Clear*
 Temperature of air, *36*
 " surface of water, *43*
 " at depth of fathoms,
 " of bottom, *40*

Depth, in fathoms, *3*

Nature of bottom,
 Direction of surface current, *Wind 12 12*
 Force of surface ~~current~~, *do 2*
 Direction of bottom ~~current~~, *with 12 12*
 Force of bottom ~~current~~, *do 12 m.*

Name of vessel, *Fish Hawk*
 To what service attached, *USFC*

Name and rank of commanding officer,
Lt J. L. ...

Name and position of observer,
Mr. Van ...

REMARKS.

TEMPERATURE RECORD.

Instrument used.

Current number of observation. 914

Date. Dec 2 1880

Locality. Potomac

Bearings. Pt Lookout S. E. X. E. $\frac{1}{2}$ S. $\frac{1}{4}$ W.

Time of day, 12.23 ; of tide,

State of sky, Clear

Temperature of air, 38

" surface of water, 45

" at depth of fathoms,

" of bottom, H. O.

Depth, in fathoms, 3

Nature of bottom,

Direction of ~~surface current~~. Wind N. by E.

Force of ~~surface current~~. do. "

Direction of ~~bottom current~~. Light N. N. W.

Force of ~~bottom current~~. do. 7 M.

Name of vessel. U. S. Fish Com.

To what service attached. U. S. Fish Com.

Name and rank of commanding officer. Lt. J. L. Tanner

Name and position of observer. Dr. Van Dusen

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation, 913-

Date, May 9/80

Locality, Palmyra

Bearings, Pt Lookout S, E, x E, $\frac{1}{3}$, $\frac{1}{2}$

Time of day, 12.38 ; of tide,

State of sky, Clear

Temperature of air, 38

" surface of water, 45

" at depth of fathoms,

" of bottom, 40

Depth, in fathoms, 3

Nature of bottom,

Direction of ~~surface~~ current, Wind N W

Force of ~~surface~~ current, do 2

Direction of ~~bottom~~ current, drift N W

Force of ~~bottom~~ current, do 5 M

Name of vessel, Fish Hawk

To what service attached, U.S.F.

Name and rank of commanding officer,
Lt J. L. ...

Name and position of observer,

Dr Van Vleet

REMARKS.

TEMPERATURE RECORD.

Instrument used, *N 3*
 Current number of observation, *1716*
 Date, *Dec 9/30*
 Locality, *Palomares*
 Bearings, *Rt Lookout S. E x E 3 1/2*

 Time of day, *12.47* ; of tide.
 State of sky, *Clear*
 Temperature of air, *38*
 " surface of water, *45-*
 " at depth of fathoms,
 " of bottom, *40*
 Depth, in fathoms, *3*
 Nature of bottom.
 Direction of ~~surface current~~, *Wind NN*
 Force of ~~surface current~~, *0 to 2*
 Direction of ~~bottom current~~, *Drift-NNW*
 Force of ~~bottom current~~, *0 to 6 M*
 Name of vessel, *Fish Hawk*
 To what service attached, *USFC*
 Name and rank of commanding officer,
 Lt J. L. Lomen
 Name and position of observer,
 H. Van Fleet

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

" surface of water,

" at depth of fathoms,

" of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

" surface of water,

" at depth of fathoms,

" of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

REMARKS.

REMARKS.

TEMPERATURE RECORD.

Instrument used.

Current number of observation.

Date,

Locality,

Bearings,

Time of day, : of tide.

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

" surface of water,

" at depth of fathoms,

" of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

" surface of water,

" at depth of fathoms,

" of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, } of tide.

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

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REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

" surface of water,

" at depth of fathoms,

" of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

 " surface of water,

 " at depth of fathoms,

 " of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

REMARKS.

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

" surface of water,

" at depth of fathoms,

" of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms, *12*

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.